

## **CENTRAL VIEWING AREA (CVA) SYSTEM MAINTENANCE SCOPE OF WORK**

**Contractor to provide a 2 year service plan for parts and labor for existing CVA equipment as follows:**

- 1 Crestron AV-2 Economical Dual Bus Control System
- 1 Crestron CAGE2 Control Card Expansion for AV2 Control System
- 1 Crestron C2-COM3 Expansion board for 3 RS-232 Ports
- 1 Crestron CNP-XRY8 Expansion board for 8 Relay Closures
- 1 Crestron CNX-BIPAD8 Audio Distribution Processor 16 inputs and 8 outputs. Incorporates volume and tone control.
- 1 Crestron CNX-RMCLV Audio Input and Control Expansion Module
- 2 Crestron C2N-VEQ4 4-Channel Matrix Mixer Control Module
- 1 Crestron CN-PWS75 System Power Supply
- 1 Crestron TPS-4000 10.4" Color Table top Touch Panel With Ti1t Base
- 1 Crestron TPS-4000L 10.4" Color Flush Mount Touch Panel
- 2 Crestron C2N-CBD-WT Cameo Configurable in wall (36.00 ea.) Keypad Controller in White.
  
- 3 Panasonic PT-D5700UL Video projector without lens
- 3 Panasonic ET-DLE Zoom Lens for above projector
- 3 Lowell/Edwards Motorized Custom 10' diagonal Borderless High Gain Video Screen with A Cleanable Surface
- 3 Lowell/Edwards Type D Recessed Screen Pocket Ceiling Enclosure With Tile Support Lip
- 3 M.I.I. SPC-02 Low Voltage Screen Control Relay
- 3 MII Video Projector Power Control Relay System
  
- 3 Draper SL-8 "B" Motorized Front Projector Drop/ Lift
- 3 MII PLC-1 Projector Lift Manual Control Panel
- 3 JVC HR-S9911U S-VHS VCR
- 3 Lowell/Edwards Motorized Custom 10' diagonal Borderless High Gain Video Screen With A Cleanable Surface
- 8 Extron P2-DA1 VGA Line Amplifier
- 1 0 Speakercraft LE-6.2MT2 Flush Ceiling Mount 2 Way Speakers With Pivoting Tweeter
- 4 Speakercraft LE-8.1 BAS In Ceiling Subwoofers
- 2 Speakercraft WS-550 Control Room Audio Monitors In White
  
- 2 RSS RU-MP-2 2 Channel Low Noise Microphone Preamp
- 3 Triad In Room Silver LCR Left Center and Right Channel Surround

#### Sound Speakers

- 4 Triad On Wall Silver Surround Rear Channel Speakers
- 1 Runco CR-26HD HDTV High Resolution LCD TV Monitor
- 1 Integra DPC-8.5 Multi-format 5 Disc Carousel DVD / CD Changer w/ Playback of JPG, CD/CD-R/CD-RW and MP3 Decoder
- 1 Pioneer DVR-520H-S Slim-Type DVD Recorder with Built-In 80GB Hard Disk Drive

- 1 Sony BDP-S500 Blu-ray Disc DVD Player
- 1 Gefen EXT-HDMI-444 HDMI 4 x 4 Matrix Switcher
- 4 Gefen EXT-HDMISB-100 HDMI Super Booster Cable
- 1 Runco CX-46HD 46" 1080P Flat Panel LCD Monitor

- 2 Dell Vostros 1710 Series Laptop Computer  
Premium Model Intel Core 2 Duo Processor T9300  
(2.5GHz/800Mhz FSB/6MB cache)  
Genuine Windows XP Professional SP2  
17.0 in UltraSharp Widescreen WUXGA LCD Display w/TrueLife  
4GB Shared Dual Channel DDR2 SDRAM, 2 DIMM  
8X CD/DVD+RW Read and Burn CD and DVD  
256MB NVIDIA GeForce 8600M GT  
160GB Free Fall Sensor Hard Drive, 7200RPM  
Integrated 2.0 mega pixel Web Camera  
Dell Wireless 360 Bluetooth Internal for Windows XP  
77 WHr 8-cell Lithium Ion Primary Battery  
Integrated High Definition Audio  
Dell Large Nylon Carrying Case
- 2 Belkin Expansion Dock with Video Docking Station
- 2 Microsoft 5000 Bluetooth Wireless Mouse
- 2 L/E Custom Computer System consisting of:  
nForce 780i 775 ATX Motherboard W/ Integrated Audio  
Intel® Core 2 Quad Processor Q6700  
4096MB DDR2-667 RAM  
ATX Case Black Color W/ Oversize Power Supply & 2 Fans  
Toshiba 1.4 meg Floppy Disk Drive  
500GB 7,200RPM SATA Hard Drive  
Sony BWU200S Blu-ray Disc Rewritable Drive

TurboPlex Super Multi Dual/Double Layer DVD Burner  
15-in-1 Memory Card Reader  
NVIDIA GeForce 8800 GT Video Card  
10/100/1000 Network Port    Windows XP Professional

- 3 Sony VGN-AR790U/B VAIO AR Series Notebook  
Premium Model Intel Core 2 Duo Processor T9300  
(2.5 GHz, 6MB L2 Cache), 4 gig mem, 400 gb hard disk  
drive, 17" widescreen display, Blu-Ray DVD RW  
Genuine Windows Vista Ultimate
- 2 UPS 115v 1000VA
- 3 Microsoft 5000 Bluetooth Wireless Mouse
- 2 NEC Accusync LCD22WMGX 22" Wide Screen Monitor  
with 1080P High Resolution compatibility
- 2 Microsoft Business Hardware Pack USB Keyboard and  
Mouse Combo in Black2 IOGEAR GKM541RALong Range Wd /  
Mouse with 33ft. range
- 1 HP Officejet Pro L7580 Color All-in-One Printer, Fax,  
Scanner, Copier
- 1 Samson Concert 4 RSL-8 Wireless VHF Dual  
Diversity Lavalier Microphone With AT-831 Headset
- 1 Samson Concert 4 RSH-5 Wireless VHF Dual  
Diversity Hand Held Microphone With SM-58

### **Surround System Components**

- 1 Dennon AVR-5700 THX/DTS Surround Sound 140 Watts per Channel  
Amplifier
- 1 Lowell/Edwards Triad THX Certified Surround Sound System  
Includes left, center, right, 2 surround, and 2 powered subwoofers.
- 1 NAD T-973 Surround Sound 7 Channel Power Amplifier 200wpc
- 3 Harris Closed Caption Decoders
- 1 AutoPatch S-Video and RGBHV Switcher Configured for :
  - 1 -24(in) x 16(out) S-Video Matrix (expandable to 32 x 32)
  - 1 - 8(in) x 8(out) RGBHV (400mhz) Matrix (expandable to 16 x 16)
- 1 -16(in) x 16 Local X/Y Front Control Panel

Contractor will coordinate with the FAA technical point of contact regarding scheduling requirements and provide technical information as required in accordance with FAA instructions.

Provide maintenance of all electronic equipment specified in the Central Viewing Area (CVA) of the FAA William J Hughes Technical Center for a 24 month period (9-24-12 to 9-23-14). Maintenance is inclusive of all parts, labor and onsite service. Response time for onsite service shall not exceed 24 hours during normal business hours (9:00 a.m. – 5:00 p.m. EST Monday through Friday. Response time for telephone inquiries shall not exceed 2 hours during normal business hours.

Installation of replacement lamps for the Panasonic PT-D5700UL Video Projectors shall be included. The replacement project lamp, Panasonic part number ETLAD57W for these projectors will not be included, and is the only part that will not be covered under this maintenance contract.

Invoicing shall be monthly in arrears.